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# PATENT ABSTRACTS OF JAPAN

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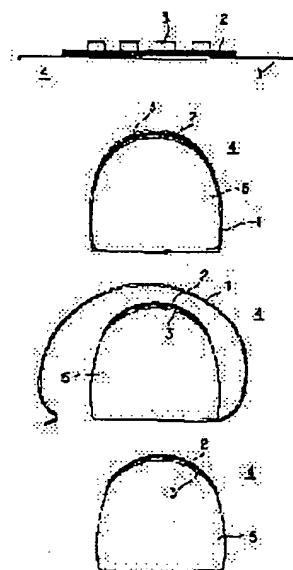
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## (54) TRANSFER SHEET FOR TRANSFERRING LETTER OR PICTURE DRAWN ON WATER-SOLUBLE EDIBLE FILM TO FOOD AND METHOD FOR TRANSFERRING THE SAME

(57)Abstract:

PURPOSE: To a transfer sheet for transferring a character and a picture drawn on a water-soluble edible film to the surface of a food containing moisture such as MANJYU (a bun with bean-jam filling).

CONSTITUTION: A starch of the devil's-tongue dissolved in a liquid such as water is applied to a plastic film, subjected to anti-fogging treatment so as not attach water drops to the surface of the film, by screen printing or a roll coater to give a coating film having about 1-3 $\mu$ m thickness. A picture or a character is drawn on the coating film of the starch of the devil's-tongue by using an edible ink to make a coating film 3 of picture. The coating film of picture is stuck fast to the surface of a food containing moisture such as MANJYU and the food is packed. The coating film of picture is transferred to the surface of the food such as MANJYU by moisture contained in the food such as packed MANJYU. Then the used plastic film is peeled to transfer the water-soluble edible film and the coating film of picture to the surface of the food.



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3. In the drawings, any words are not translated.

## DETAILED DESCRIPTION

[Detailed Description of the Invention]

[0001]

[Industrial Application] This invention relates to the imprint sheet which imprints for food the character drawn on the front face of the food containing the moisture of steamed filled dumplings etc. by the water-soluble edible film, and a picture, and its imprint method.

[0002]

[Description of the Prior Art] The process which mixes equally what made konnyaku powder and one pair of water the rate of 40-80 by the mixer etc., and makes edible ink, After printing the edible ink manufactured at this mixing process with screen printing on boards which can be made to exfoliate, such as the flat poly car PONEITO board The edible sheet formation process which does the work to dry once [ at least ] or more, and forms the edible sheet of thin meat, The coloring mixing process which pays the edible colorant of the specified quantity to what made konnyaku powder and one pair of water the rate of 40-80 at least, is equally mixed by the mixer etc., and makes coloring edible ink, After printing a character, a pattern, etc. with screen printing on the edible sheet formed at the aforementioned edible sheet formation process in the coloring edible ink manufactured at this coloring mixing process, The edible sheet formation process of having printing which forms the edible sheet with which it was made drying and the character, the pattern, etc. were printed, Using the edible sheet manufactured at the process which makes the edible sheet which has printing from a board after the edible sheet formation process of having this printing exfoliate, food was packed and what coats the periphery section of food was indicated to JP,4-27354,A.

[0003]

[Problem(s) to be Solved by the Invention] Some which printed the character and the picture in edible ink on this conventional edible sheet had a fault, such as taking time and effort, when a crack and a crack tend to have gone into the konnyaku film itself and it installed for a manufacturing process, preservation, and food, in order are [ the handling which removes an edible film from plastic film ] \*\* -easy, to carry out it and to thicken an edible film.

[0004]

[Means for Solving the Problem] The imprint method which imprints for food the character drawn on the water-soluble edible film of this invention and a picture makes a konnyaku paste coat with a thickness of 1micro - about 3micro from screen-stencil or a roll coater for the konnyaku paste melted with liquid, such as water, on the plastic film [ finishing / processing ] which performed baud boss processing so that waterdrop may not arrive at a front face, on this konnyaku paste coat, edible ink is used for it, draws a picture or a character, and makes a pictures coat. It is the moisture contained in food, such as steamed filled dumplings which were made to stick this pictures coat to the front face of including [ the moisture of steamed filled dumplings etc. ] food, wrapped it, and wrapped it, and the pictures coat of the aforementioned imprint sheet is imprinted on the front face of food, such as steamed filled dumplings, and a water-soluble edible film and a pictures coat are imprinted on the front face of the food containing the moisture of steamed filled dumplings etc. by removing plastic film [ finishing / the aforementioned processing ] after an appropriate time. The imprint sheet of this invention which can carry out a deer and can imprint a character and pictures for food The plastic film [ finishing / processing ] which performed baud boss processing so that waterdrop might not arrive at a front face, A water-soluble edible film with a thickness of 1micro - about 3micro which formed the konnyaku paste melted with liquid, such as water, by screen-stencil or the roll coater on plastic film [ finishing / this processing ], It is characterized by the pictures coat which used edible ink and drew the picture or the character on this water-soluble edible film, and the shell bird clapper.

[0005]

[Example] drawing which illustrated this invention -- a basis -- \*\*\*\*\* explanation is given First, waterdrop does not arrive at the front face of plastic film 1, such as polyethylene with a thickness of 50micro - about 100micro. On plastic film 1, such as polyethylene with a thickness [ finishing / this processing ] of 50micro - about 100micro which performs baud boss processing The konnyaku paste which was mixed equally and melted by the mixer etc. what made one pair of liquid, such as konnyaku powder and water, the rate of 40-80 The water-soluble edible film 2 by the konnyaku paste coat with a thickness of 1micro - about 3micro is made from screen-stencil or a roll coater. On this water-soluble edible film 2, at least The imprint sheet 4 which consists of a \*\*\*\*\* coat 3 which paid the edible colorant of the specified quantity to what made konnyaku powder and one pair of water the rate of 40-80, was equally mixed by the mixer etc., and drew a picture or a character with a thickness of 5micro - about 10micro using \*\*\*\*\* coloring edible ink is made. And the thing for which the pictures coat 3 of the aforementioned imprint sheet is imprinted on the front face of food 5 from processed plastic film 1 with the moisture contained in the food 5, such

as steamed filled dumplings which wrapped so that the pictures coat 3 might stick this imprint sheet 4 to the front face of the meal food 5 containing the moisture of steamed filled dumplings etc., and were wrapped, and thin plastic film [ finishing / this processing ] 1 is removed after an appropriate time. The character drawn on the water-soluble edible film 2 and the water-soluble edible film 2 and a picture are imprinted on the food 5 containing the moisture of steamed filled dumplings etc.

[0006] Thus, the water-soluble edible film 2 with which it made konnyaku as a raw material that the water-soluble edible film 2 and the pictures coat 3 can be imprinted for food 5 since there was [ 1st ] absorptivity in konnyaku, and the pictures coat 3 have the property that the property which shifts to a humid side can be used, when the 3rd page of this pictures coat is wrapped so that the front face of the food 5 containing the moisture of steamed filled dumplings etc. may be contacted. Therefore, since the adhesion force with the front face of the food 5, such as steamed filled dumplings, can make it stronger than the adhesion force of plastic film [ finishing / processing ] 1 and the water-soluble edible film 2 at this time when the front face of the food 5 with the moisture of steamed filled dumplings etc. is touched, it is the phenomenon in which it can leave water-soluble edible MU 2 and the pictures coat 3 to food 5, and only plastic film / finishing / processing ] 1 can be removed. It is having raised further the imprint nature of the water-soluble edible film 2 from plastic film 1 by having performed baud boss processing so that waterdrop might not arrive [ 2nd ] at the front face of plastic film 1.

[0007]

[Effect of the Invention] In order that what printed the character and the picture in edible ink on the conventional edible sheet may make easy the handling which removes an edible film from plastic film, in order to thicken a NI edible film according to this invention (4-5 microns). A crack and a crack tended to go into the konnyaku film itself, when installing for a manufacturing process, preservation, and food, except for a fault, such as taking time and effort, it can be [ a character or a picture ] \*\*-easy for the food containing the moisture of steamed filled dumplings etc., and they could be imprinted for it. And according to this method, when there is little moisture, the effect which it is \*\*-easy and can be imprinted is done so by steaming, where food is wrapped.

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[Translation done.]